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Assumed Apparent Places of Stars of Comparison.

Name.	R.A.	N.P.D.	Set.
	h m s	° ′ ″	
B.A.C. 7861	22 26 14·92	100 22 32·3	(1)
— —	14·92	32·3	(2)
— —	14·88	32·6	(3)
— —	14·87	32·7	(4)
— —	14·97	33·2	(5)
— 7890	22 31 24·81	100 48 5·7	(6)

The mean places of the stars are taken from the B.A.C. The near agreement of the two observations on Oct. 9 speaks well both for the catalogue and for the method of observing.

Set 3. A single observation, taken in a bad sky.

Set 4. Wind annoying. If the first of the six measures be rejected, as discordant from the rest, the remaining five give $-0^s{\cdot}09$ as the excess of the Eph. in R.A., which is probably nearer the truth. The parallaxes and computed places have been taken from Walker's Ephemeris, published in the *Astron. Nachrichten,* No. 721.

On Lamont's Observations of Neptune, as a Fixed Star.

By Mr. Hind.

" In the *Monthly Notice* of the Astronomical Society for January 1850, it is mentioned that I had detected two observations of *Neptune* by Dr. Lamont, at Munich, in the course of his zones; the first in October 1845, and the second on September 7th, 1846. I do not know how I could have overlooked a third observation on the 11th of the same month, when the planet passed the second wire of the telescope at $21^h\ 54^m\ 0^s{\cdot}9$, and was considered of the ninth magnitude. A notice of this additional observation may not prove uninteresting, as it shows that an *immediate reduction* of the zones of Sept. 7th and 11th could not have failed to point out the planet; and the discovery might have been effected prior to the 23d of September, when it was recognised by Dr. Galle."

METIS.

MARKREE. (E. J. Cooper, Esq., and Mr. Graham.)

1850.	Greenwich M.T.	R.A.	Decl.
	h m s	h m s	° ′ ″
Sept. 6	15 46 12·7	7 34 3·57	+23 19 51·1

Corrected for parallax.

Extract of a Letter from Mr. Graham.

" I have stolen some hours from our regular work to prepare an ephemeris of *Metis* for the coming opposition. The preliminary and most important step of getting a more correct set of elements is now completed. I arranged, for this purpose, 74 meridional and 69 extra-meridional observations, made at various observatories at the most favourable time near the opposition of 1848; 28 meridional

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observations made in 1849 at Hamburg, Kremsmünster, and Markree; and one extra-meridional observation made at Markree, 1850, Oct. 21. This last, though taken with great care, is uncertain, from the strong moonlight; but it is the best I could obtain. The elements, corrected for the perturbations by the *Earth*, *Mars*, *Jupiter*, and *Saturn*, and reduced to the mean equinox of the epoch, are for the instantaneous ellipse:—

1850, Nov. 26·0, G.M.T.	° ′ ″
M …………………	35 50 6·88
$\pi - \Omega$ …………………	2 17 54·85
Ω …………………	68 29 42·75
i …………………	5 35 42·04
φ …………………	7 1 29·02
μ'' …………………	962″·13641

"It only remains to carry up the perturbations to the time of the opposition, and prepare the ephemeris, which I hope to be able to furnish you with a copy of in a few weeks."

BOND'S COMET.

Mr. G. P. Bond, Assistant at the Observatory of Cambridge, United States, discovered a telescopic comet on the 29th of August last. It was found independently by Mr. Brorsen at Senftenburg, in Bavaria, on the 5th of September; by M. Mauvais at Paris, and Mr. Robertson at Markree, on the 9th; and by Dr. Clausen at the Observatory of Dorpat, on the 14th. Mr. G. P. Bond has detected seven or eight comets, but the present is the first which bears his name, as in every other instance a prior discovery was recognised. The comet was observed by the American astronomers till the end of last month.

Observations.

CAMBRIDGE, U.S. (Professor Bond.)

1850.	Cambridge M.T. h m s	R.A. 1850·0. h m s	Dec. 1850. ° ′ ″	Star of Comp.
Aug. 29	11 9 45	3 24 49·67	+58 0 37·9	*a*
30	9 44 43	3 35 45·69	58 7 19·2	*b*
31	8 23 19	3 47 20·86	58 10 17·1	*c*
Sept. 2	10 0 38	4 14 43·20	58 1 24·0	*d*
3	10 17 38	4 29 4·09	57 47 39·3	*e*
8	13 28 0	5 48 22·23	54 24 47·2	*f*
	14 33 0	49 5·06	21 52·6	*g*
10	12 46 38	6 19 31·45	51 53 11·0	*h*
11	10 57 2	6 33 46·17	50 26 31·7	*i*
13	12 28 12	7 4 21·97	46 36 30·2	*k*

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